Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/28/2021 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122780	-2	7.88	122802	7.85
Blue	F	SSC	125000	121602	-3	8.09	122357	8.08
Blue	E	FITC	14284	13420	-7	8.28 (1)	379	17.34
Blue	D	PE	23919	22863	-5	8.19	546	14.79
Blue	B	PerCP-Cy5-5	31332	30060	-5	8.62	862	18.96
Blue	A	PE-Cy7	22272	21633	-3	10.78	448	36.95
Red	C	APC	47768	47053	-2	4.61	1627	13.23
Red	A	APC-Cy7	25313	24262	-5	5.60	685	14.24
Violet	B	V450	7085	6717	-6	7.61 (2)	472	14.37
Violet	A	V500	26969	25615	-6	7.35	881	11.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23371	7.88	605	16	N/A	N/A	Pass
Blue	F	SSC	52591	7.95	532	11	N/A	N/A	Pass
Blue	E	FITC	55	60.82	505	4	0.0303	72	Pass
Blue	D	PE	104	46.71	503	6	0.2497	268	Pass
Blue	B	PerCP-Cy5-5	128	49.42	595	7	0.0143	56	Pass
Blue	A	PE-Cy7	68	98.84	646	11	0.0162	4	Pass
Red	C	APC	332	28.21	583	3	0.0213	68	Pass
Red	A	APC-Cy7	125	38.17	556	1	0.0051	1123	Pass
Violet	B	V450	78	53.37	462	-1	0.0396	1951	Pass
Violet	A	V500	102	34.80	473	-1	0.0202	838	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.61	-31.24	1.04
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	14.05	13.60 - 20.40	N/A	N/A	29.51	29.91	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11431

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments